		10-14 G	Hz (SHF)		Page 47
	International Table		United States Table		FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
10-10.45	10-10.45	10-10.45	10-10.45	10-10.45	
FIXED	RADIOLOCATION	FIXED	RADIOLOCATION	Radiolocation	Private Land Mobile (90)
MOBILE	Amateur	MOBILE		Amateur	Amateur (97)
RADIOLOCATION		RADIOLOCATION	ll .	1	
Amateur	1	Amateur		i	
5.479	5.479 5.480	5.479	5.479 US58 US108 G32	5.479 US58 US108 NG42	
10.45-10.5			10.45-10.5	10.45-10.5	1
RADIOLOCATION			RADIOLOCATION	Radiolocation	
Amateur				Amateur	-
Amateur-satellite				Amateur-satellite	
5.481			US58 US108 G32	LICER LICAGO NICAS NICASA	
10.5-10.55	10.5-10.55			US58 US108 NG42 NG134	
FIXED	FIXED		10.5-10.55 RADIOLOCATION		[
MOBILE	MOBILE		RADIOLOCATION		Private Land Mobile (90)
Radiolocation	RADIOLOCATION		US59		
10.55-10.6	10.0102007.1101		10.55-10.6	10.55-10.6	
FIXED			10.55*10.0	FIXED	Fixed Microwave (101)
MOBILE except aeronautical mobile				T I VED	Prixed Microwave (101)
Radiolocation				1	
10.6-10.68			10.6-10.68	10.6-10.68	
EARTH EXPLORATION-SATELLITE	(passive)		EARTH EXPLORATION-	EARTH EXPLORATION-	
FIXED	" ,		SATELLITE (passive)	SATELLITE (passive)	
MOBILE except aeronautical mobile			SPACE RESEARCH (passive)	FIXED US265	
RADIO ASTRONOMY			passing/	SPACE RESEARCH (passive)	
SPACE RESEARCH (passive)				or real reservoir	
Radiolocation					
5.149 5.482			US265 US277	US277	
10.68-10.7			10.68-10.7	100	
EARTH EXPLORATION-SATELLITE	(passive)		EARTH EXPLORATION-SATELI	ITF (nassive)	Ħ
RADIO ASTRONOMY	(RADIO ASTRONOMY US74	tric (passive)	ı
SPACE RESEARCH (passive)			SPACE RESEARCH (passive)		
5.340 5.483	•	•	§.		
10.7-11.7	10.7-11.7		US246 US355	140 7 44 7	-
FIXED	FIXED		10.7-11.7	10.7-11.7 FIXED	Catallita Communications (25)
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)	5 AA1 5 ABAA	ı		Satellite Communications (25)
5.441 5.484A (Earth-to-space) 5.484	MOBILE except aeronautical mobile	3.44 I J.404A	ì	FIXED-SATELLITE	Fixed Microwave (101)
MOBILE except aeronautical mobile	WOOLE except defortabled mobile		US211	(space-to-Earth) 5.441 US211 US355 NG104 NG182	.
11.7-12.5	11.7-12.1	11.7-12.2		11.7-12.2	
FIXED	FIXED 5.486	FIXED	11.7-12.75	FIXED-SATELLITE	
MOBILE except aeronautical mobile		MOBILE except aeronautical mobile	1		Satellite Communications (25)
BROADCASTING	5.484A	BROADCASTING	I.	(space-to-Earth) NG143 NG145 NG183	
BROADCASTING-SATELLITE	Mobile except aeronautical mobile	BROADCASTING-SATELLITE		110103	
	5.485 5.488				
	12.1-12.2	-	i		
]	1
	FIXED-SATELLITE (space-to-Earth) 5.484A			Į	Į.
	1 J.404A	i	R	i	8
	5.485 5.488 5.489		i e	1	1

	12.2-12.7 FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE	12.2-12.5 FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING		12.2-12.7 FIXED BROADCASTING-SATELLITE	Satellite Communications (25) Fixed Microwave (101)
5.487 5.487A 5.492		5.484A 5.487			
12.5-12.75	E 407A E 400 E 400 E 400	12.5-12.75		5 4074 5 400 5 400	
FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space)	5.487A 5.488 5.490 5.492 12.7-12.75 FIXED FIXED-SATELLITE (Earth-to-space) MOBILE except aeronautical mobile	FIXED FIXED-SATELLITE (space-to- Earth) 5.484A MOBILE except aeronautical mobile BROADCASTING-SATELLITE 5.493		5.487A 5.488 5.490 12.7-12.75 FIXED NG118 FIXED-SATELLITE (Earth-to-space) MOBILE	Satellite Communications (25) Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)
5.494 5.495 5.496	<u> </u>			NG53	
12.75-13.25 FIXED FIXED-SATELLITE (Earth-to-space) 5. MOBILE Space research (deep space) (space-t	·		12.75-13.25	12.75-13.25 FIXED NG118 FIXED-SATELLITE (Earth-to-space) 5.441 NG104 MOBILE	
			US251	US251 NG53	
13.25-13.4 EARTH EXPLORATION-SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active)			13.25-13.4 EARTH EXPLORATION- SATELLITE (active) AERONAUTICAL RADIONAVIGATION 5.497 SPACE RESEARCH (active)	13.25-13.4 AERONAUTICAL RADIONAVIGATION 5.497 Earth exploration-satellite (active) Space research (active)	Aviation (87)
5.498A 5.499			5.498A		
13.4-13.75 EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION SPACE RESEARCH 5.501A Standard frequency and time signal-satellite (Earth-to-space)			13.4-13.75 EARTH EXPLORATION- SATELLITE (active) RADIOLOCATION G59 SPACE RESEARCH (active) 5.501A Standard frequency and time signal-satellite (Earth-to-space)	13.4-13.75 Earth exploration-satellite (active) Radiolocation Space research Standard frequency and time signal-satellite (Earth-to-space)	Private Land Mobile (90)
5.499 5.500 5.501 5.501B			5.501B		
13.75-14 FIXED-SATELLITE (Earth-to-space) 5 RADIOLOCATION Earth exploration-satellite Standard frequency and time signal-sa Space research			13.75-14 RADIOLOCATION G59 Standard frequency and time signal-satellite (Earth-to-space) Space research US337	13.75-14 FIXED-SATELLITE (Earth-to-space) US337 Radiolocation Standard frequency and time signal-satellite (Earth-to-space) Space research	Satellite Communications (25) Private Land Mobile (90)
5.499 5.500 5.501 5.502 5.503			US356 US357	US356 US357	
					Page 48

	14-17.7 GHz (SHF)			Page 4	
	International Table		United States Table		FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
14-14.25 FIXED-SATELLITE (Earth-to-space) 5.4: RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504C Space research			14-14.2 RADIONAVIGATION US292 Space research	14-14.2 FIXED-SATELLITE (Earth-to-space) NG183 RADIONAVIGATION US292 Mobile-satellite (Earth-to-space) Space research	Satellite Communications (25) Maritime (80) Aviation (87)
5.504A 5.505 14.25-14.3 FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.506A 5.508A Space research			14.2-14.4	14.2-14.47 FIXED-SATELLITE (Earth-to-space) NG183 Mobile-satellite (Earth-to-space)	Satellite Communications (25)
5.504A 5.505 5.508 5.509 14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Radionavigation-satellite	14.3-14.4 FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B Mobile-satellite (Earth-to-space) 5.506A Radionavigation-satellite	14.3-14.4 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A 5.509A Radionavigation-satellite			
5.504A	5.504A	5.504A			
14.4-14.47 FIXED FIXED-SATELLITE (Earth-to-space) 5.4 MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.506A Space research (space-to-Earth)	157A 5.457B 5.484A 5.506 5.506B		14.4-14.47 Fixed Mobile		
5.504A				NG184	
14.47-14.5 FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A Radio astronomy			14.47-14.5 Fixed Mobile	14.47-14.5 FIXED-SATELLITE (Earth-to-space) NG183 Mobile-satellite (Earth-to-space)	
5.149 5.504A			US203 US342	US203 US342	
14.5-14.8 FIXED FIXED-SATELLITE (Earth-to-space) 5. MOBILE Space research	510		14.5-14.7145 FIXED Mobile Space research 14.7145-14.8 MOBILE Fixed Space research	14.5-14.8	

5.514	5.514 5.515 5.517	5.514	<u> </u>	US259	Page 50
17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 (space-to-Earth) 5.516A 5.516B Radiolocation	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 BROADCASTING-SATELLITE Radiolocation	17.3-17.7 FIXED-SATELLITE (Earth-to-space) 5.516 Radiolocation	17.3-17.7 Radiolocation US259 G59	17.3-17.7 FIXED-SATELLITE (Earth-to-space) US271 BROADCASTING-SATELLITE NG163 NG167	Satellite Communications (25)
17.2-17.3 EARTH EXPLORATION-SATELLITE (ac RADIOLOCATION SPACE RESEARCH (active) 5.512 5.513 5.513A	ctive)		17.2-17.3 EARTH EXPLORATION- SATELLITE (active) RADIOLOCATION G59 SPACE RESEARCH (active)	17.2-17.3 Radiolocation Earth exploration-satellite (active) Space research (active)	
RADIOLOCATION 5.512 5.513			RADIOLOCATION G59		
5.512 5.513 17.1-17.2			17.1-17.2	1	
16.6-17.1 RADIOLOCATION Space research (deep space) (Earth-to-s	pace)		16.6-17.1 RADIOLOCATION G59 Space research (deep space) (Earth-to-space)		
5.512 5.513					
15.7-16.6 RADIOLOCATION			15.7-16.6 RADIOLOCATION G59	15.7-17.2 Radiolocation	Private Land Mobile (90)
5.511D			US211		
15.63-15.7 AERONAUTICAL RADIONAVIGATION			15.63-15.7 AERONAUTICAL RADIONAVIGA	ATION US260	Aviation (87)
5.511C			5.511C US211 US359	5.511C US211 US359	
FIXED SATELLITE (Earth-to-space) 5.51 AERONAUTICAL RADIONAVIGATION	1A		AERONAUTICAL RADIONAVIGATION US260	FIXED SATELLITE (Earth-to-space) AERONAUTICAL RADIONAVIGATION US260	(25) Aviation (87)
5.511D 15.43-15.63			15.43-15.63	15.43-15.63	Satellite Communications
AERONAUTICAL RADIONAVIGATION			US211	(TION 05200	Aviation (or)
5.340 5.511 15.4-15.43			15.4-15.43 AERONAUTICAL RADIONAVIGA	ATION US260	Aviation (87)
SPACE RESEARCH (passive)			US246		
EARTH EXPLORATION-SATELLITE (pas RADIO ASTRONOMY	ssive)		EARTH EXPLORATION-SATELL RADIO ASTRONOMY US74 SPACE RESEARCH (passive)	ITE (passive)	
5.339 15.35-15.4			5.339 US211 15.35-15.4	5.339 US211	
			Mobile		
			FIXED SPACE RESEARCH		:
	•		US310 15.1365-15.35	15.1365-15.35	
Space research			Fixed	US310	
FIXED MOBILE			MOBILE SPACE RESEARCH		
14.8-15.35			14.8-15.1365	14.8-15.1365	

		17.7-23.	6 GHz (SHF)		Page 51
	International Table		United States Table		FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE	17.7-17.8 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-to-space) 5.516 BROADCASTING-SATELLITE Mobile 5.518	17.7-18.1 FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE	17.7-17.8	17.7-17.8 FIXED FIXED-SATELLITE (Earth-to-space) US271	Satellite Communications (25) Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)
	5.515 5.517 17.8-18.1		17.8-18.3	NG144 17.8-18.3	
	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE		FIXED-SATELLITE (space-to- Earth) G117	FIXED	Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)
18.1-18.4			5.519 US334	5.519 US334 NG144	
FIXED FIXED-SATELLITE (space-to-Earth) MOBILE	5.484A 5.516B (Earth-to-space) 5.520		18.3-18.6 FIXED-SATELLITE (space-to-Earth) G117	18.3-18.6 FIXED-SATELLITE (space-to-Earth) NG164	Satellite Communications (25)
5.519 5.521 18.4-18.6 FIXED FIXED-SATELLITE (space-to-Earth)	5.484A 5.516B				
MOBILE			US334	US334 NG144	.]
18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.516B 5.522B MOBILE except aeronautical mobile SPACE RESEARCH (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED FIXED-SATELLITE (space-to-Earth) 5.522B MOBILE except aeronautical mobile Space research (passive)	18.6-18.8 EARTH EXPLORATION- SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) US255 G117 SPACE RESEARCH (passive)	18.6-18.8 EARTH EXPLORATION-SATELLITE (passive) FIXED-SATELLITE (space-to-Earth) US255 NG164 SPACE RESEARCH (passive)	
5.522A 5.522C	5.522A	5.522A	US254 US334	US254 US334 NG144	J .
18.8-19.3 FIXED FIXED-SATELLITE (space-to-Earth) 5.516B 5.523A MOBILE			18.8-20.2 FIXED-SATELLITE (space-to-Earth) G117	18.8-19.3 FIXED-SATELLITE (space-to-Earth) NG165 US334 NG144	
19.3-19.7 FIXED FIXED-SATELLITE (space-to-Earth) (Earth-space) 5.523B 5.523C 5.523D 5.523E MOBILE			19.3-19.7 FIXED FIXED-SATELLITE (space-to-Earth) NG166 US334 NG144	Satellite Communications (25) Auxiliary Broadcasting (74) Cable TV Relay (78) Fixed Microwave (101)	
19.7-20.1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth)	19.7-20.1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth)	19.7-20.1 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B Mobile-satellite (space-to-Earth)		19.7-20.1 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth)	Satellite Communications (25)
5.524	5.524 5.525 5.526 5.527 5.528 5.529	5.524		5.525 5.526 5.527 5.528 5.529 US334	

FIXED MOBILE			MOBILE		1
			FIXED		Fixed Microwave (101)
5.149 23.55-23.6			US342 23.55-23.6		
22.55-23.55 FIXED INTER-SATELLITE MOBILE		US211 22.55-23.55 FIXED INTER-SATELLITE US278 MOBILE		Satellite Communications (25) Fixed Microwave (101)	
5.149 5.532 22.5-22.55 FIXED MOBILE		US342 US263 22.5-22.55 FIXED MOBILE		-	
5.149 22.21-22.5 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive)		US342 22.21-22.5 EARTH EXPLORATION-SATELL FIXED MOBILE except aeronautical mot RADIO ASTRONOMY SPACE RESEARCH (passive)			
22-22.21 FIXED MOBILE except aeronautical mobile			22-22.21 FIXED MOBILE except aeronautical mobile		
21.4-22 FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530	21.4-22 FIXED MOBILE	21.4-22 FIXED MOBILE BROADCASTING-SATELLITE 5.347A 5.530 5.531	21.4-22 FIXED MOBILE		
21.2-21.4 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)			MOBILE SPACE RESEARCH (passive)		
5.524 5.526 5.527 5.528 20.2-21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth)		20.2-21.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) Standard frequency and time signal-satellite (space-to-Earth) G117	20.2-21.2 Standard frequency and time signal-satellite (space-to-Earth)		
20.1-20.2 FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B MOBILE-SATELLITE (space-to-Earth) 5.524 5.525 5.526 5.527 5.528			US334	20.1-20.2 FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.525 5.526 5.527 5.528 US334	

International Table			-30 GHz (SHF)			
Region 1 Table	Region 2 Table	Region 3 Table		States Table	FCC Rule Part(s)	
23.6-24	Trogion 2 Table	[Region 5 (able	Federal Table 23.6-24	Non-Federal Table		
EARTH EXPLORATION-SA	TELLITE (nassive)			TE /		
RADIO ASTRONOMY	· ELLITE (passive)		EARTH EXPLORATION-SATELLI	IE (passive)		
SPACE RESEARCH (passiv	re)		RADIO ASTRONOMY US74]	
	-,		SPACE RESEARCH (passive)			
5.340 24-24.05			US246			
		· · · · · · · · · · · · · · · · · · ·	24-24.05	24-24.05	·	
AMATEUR CATELLITE				AMATEUR	ISM Equipment (18)	
AMATEUR-SATELLITE				AMATEUR-SATELLITE	Amateur (97)	
5.150			5.150 US211	5.150 US211	(01)	
24.05-24.25			24.05-24.25	24.05-24.25	 	
RADIOLOCATION			RADIOLOCATION G59	Amateur	1034 5	
Amateur			Earth exploration-satellite (active)	Earth exploration-satellite (active)	ISM Equipment (18)	
Earth exploration-satellite (ad	ctive)			Radiolocation	Private Land Mobile (90) Amateur (97)	
5.150			F 450	i	Amaieui (37)	
24.25-24.45	24.25-24.45	24.25-24.45	5.150	5.150		
FIXED	RADIONAVIGATION	RADIONAVIGATION	24.25-24.45	24.25-24.45		
		FIXED		FIXED	Fixed Microwave (101)	
	ì	MOBILE				
24.45-24.75	24.45-24.65	24.45-24.65	24.45-24.65			
FIXED	INTER-SATELLITE	FIXED	INTER-SATELLITE		 	
INTER-SATELLITE	RADIONAVIGATION	INTER-SATELLITE	RADIONAVIGATION		Satellite Communications (25)	
		MOBILE RADIONAVIGATION	RADIONAVIGATION			
	5.533	5.533	5.533		1	
	24.65-24.75	24.65-24.75	24.65-24.75		4	
	INTER-SATELLITE	FIXED	INTER-SATELLITE		4	
	RADIOLOCATION-SATELLITE	INTER-SATELLITE	RADIOLOCATION-SATELLITE (E.	RADIOLOCATION-SATELLITE (Earth-to-space)		
	(Earth-to-space)	MOBILE			ll .	
		5.533	1			
24.75-25.25	24.75-25.25	24.75-25.25	24.75-25.05	24.75-25.05		
FIXED	FIXED-SATELLITE	FIXED	RADIONAVIGATION	FIXED-SATELLITE (Earth-to-space)	Satellite Communications (25)	
	(Earth-to-space) 5.535	FIXED-SATELLITE		NG167	Aviation (87)	
		(Earth-to-space) 5.535		RADIONAVIGATION	TATOLON (OT)	
		MOBILE	25.05-25.25	25.05-25.25		
•		1	1	FIXED-SATELLITE (Earth-to-space)	Satellite Communications (25)	
		Į.		NG167	Fixed Microwave (101)	
		1 .	·	FIXED	T I I VEG IMICIOMAVE (101)	
5.25-25.5			25.25-25.5	25.25-25.5		
IXED			FIXED	Inter-satellite 5.536		
NTER-SATELLITE 5.536			INTER-SATELLITE 5.536	Standard frequency and time		
10BILE			MOBILE	signal-satellite (Earth-to-space)		
tandard frequency and time	signal-satellite (Earth-to-space)		Standard frequency and time	Totolico (Continuo Space)		
			signal-satellite (Earth-to-space)		I	

FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE 5.540 28.5-29.1 FIXED FIXED SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-salellite (Earth-to-space) 5.541 5.540 29.1-29.5 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-salellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 80.	25.5-27 EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) Standard frequency and time signal-se	5.536C		25.5-27 EARTH EXPLORATION- SATELLITE (space-to-Earth) FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) Standard frequency and time signal-satellite (Earth-to-space)	25.5-27 Inter-satellite 5.536 Standard frequency and time signal-satellite (Earth-to-space)	
27.27.5 FIXED FI	5.536A			5.536A US258	5.536A US258	
FIXED TIXED TIXED TIXED TIXED TIXED TIXED TIXED TIXED SATELLITE (Earth-to-space) NTER-SATELLITE (5.596 5.537 NOBILE TIXED SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 TIXED SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 TIXED SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 TIXED SATELLITE (Earth-to-space) 5.541 TIXED SATELLITE (Earth-to-space) 5.541 TIXED SATELLITE (Earth-to-space) 5.541 TIXED SATELLITE (Earth-to-space) 5.541 TIXED SATELLITE (Earth-to-space) 5.544		27-27.5				
INTER-SATELLITE 5.536				H	i e	<u>l</u>
MOBILE INTER-SATELLITE (5.58 6.5.537 MOBILE	INTER-SATELLITE 5 536			11.		lj.
### A STIGN S ATELLITE (Earth-to-space) 5 48AA 5.5168 5.539 ### A STIGN S ATELLITE (Earth-to-space) 5 48AA 5.5168 5.539 ### A STIGN S ATELLITE (Earth-to-space) 5 48AA 5.5168 5.539 ### A STIGN S ATELLITE (Earth-to-space) 5 48AA 5.5168 5.539 ### A STIGN S ATELLITE (Earth-to-space) 5 5.541 ### A STIGN S 5.39 ### Earth exploration-satellite (Earth-to-space) 5 5.541 ### Earth exploration-satellite (Earth-to-space) 5 5.541 ### Earth exploration-satellite (Earth-to-space) 5 5.541 ### A STIGN S 5.39 ### Earth exploration-satellite (Earth-to-space) 5 5.541 ### Earth exploration-satellite (Earth-to-space) 5 5.541 ### MOBILE S TILLITE (Earth-to-space) 5 5.541 ### MOB						
27.5-28.5 FIXED 5.37A FIXED 5.	WOBILE			MODILL		i
5.38 5.40 28.5-29.1 FIXED SATELLITE (Earth-to-space) 5.484A 5.5168 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.1-29.5 FIXED SATELLITE (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.640 5.84A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 (Ea	FIXED 5.537A FIXED-SATELLITE (Earth-to-space) !	27.5-28.5 FIXED 5.537A FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539			FIXED FIXED-SATELLITE (Earth-to-space)	Satellite Communications (25) Fixed Microwave (101)
28.5-29.1 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.484A 5.516B 5.539 FIXED-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 FIXED-SATELLITE (Earth-to-space) 5.541 5.543 FIXED-SATELLITE (Earth-to-space) 5.541 5.543 FIXED-SATELLITE (Earth-to-space) 5.541 5.543						
FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5.29.9 FIXED-SATELLITE (Earth-to-space) 5.541 5.540 6.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 MOBILE-SATELLITE (Earth-to-space) 5.541 S.540 6.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 S.540 5.542 29.9.30 FIXED-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 S.552 5.52 5.52 5.52 5.52 5.52 5.52 5.52						
FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.523A 5.539 MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.1-29.5 FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.528 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.516B 5.523C 5.528 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 5.540 5.540 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 S.552 5.526 5.527 5.529 5.540 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.541 MOBILE-SATELLITE (Earth-to-space) 5.541 MOBILE-SATELLITE (Earth-to-space) 5.541 MOBILE-SATELLITE (Earth-to-space) 5.541 Earth-to-space) 5.541 5.543					·	1
MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.1-29.5 FIXED FIXED-SATELLITE (Earth-to-space) 5.5168 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.5168 5.539 FIXED-SATELLITE (Earth-to-space) 5.484A 5.5168 5.539 FIXED-SATELLITE (Earth-to-space) 5.484A 5.5168 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space)					1	
Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.1-29.5 FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space) :	5.484A 5.516B 5.523A 5.539				ŀ
5.540 29.1-29.5 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.528E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 MOBILE-SATELLITE (Earth-to-space) 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.548A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.545.525 5.526 5.527 5.529 5.540 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) Earth-to-space) Ea	MOBILE				<u>}</u>	li de la companya de
29.1-29.5 FIXED	Earth exploration-satellite (Earth-to-sp	pace) 5.541				
29.1-29.5 FIXED	6.540					
FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.444 Mobile-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.541 (Earth-to-space) 5.548A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Satellite Communications (25) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Satellite Communications (25) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Satellite Communications (25) Earth exploration-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.541 Earth exploration-satellite (Earth-to-space) 5.540 5.542 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.543		<u> </u>		#		
FixeD-SateLite (Earth-to-space) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A MOBILE					1	4
MOBILE					1 .	#
Earth exploration-satellite (Earth-to-space) 5.541 5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.540 5.542 29.5-29.9 FIXED-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) FIXED-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) 5.525 5.526 5.527 5.529 29.9-30 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) 6.540 5.542 7.525 5.526 5.527 5.529	FIXED-SATELLITE (Earth-to-space)	5.516B 5.523C 5.523E 5.535A 5.539 5.	541A			
5.540 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 MOBILE-SATELLITE (Earth-to-space) 5.540 5.540 MOBILE-SATELLITE (Earth-to-space) 6.540 5.540 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Mobile-satellite (Earth-to-space) 5.540 5.542 5.525 5.526 5.527 5.529 29.9-30 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)						<u> </u>
29.5-29.9 29.5-29.9 29.5-29.9 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 5.484A 5.516B 5.539 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 (Earth-to-space) Earth exploration-satellite (Earth-	Earth exploration-satellite (Earth-to-s	pace) 5.541			·	
29.5-29.9 29.5-29.9 29.5-29.9 29.5-29.9 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 5.484A 5.516B 5.539 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 (Earth-to-space) Earth exploration-satellite (Earth-	5 540					
FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) 5.540 5.542 5.525 5.526 5.527 5.529 5.540 MOBILE-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 Earth exploration-satellite (Earth-to-space) 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.525 5.526 5.527 5.529 29.9-30 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)		1 29 5-29 9	20 5 20 0	1	29 5-29 9	
5.484A 5.516B 5.539				li .		Satallita Communications (25)
Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.525 5.526 5.527 5.529 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.543				1	1	ji Satemie Communications (25)
(Earth-to-space) 5.541 (Earth-to-space) (Eart						Į.
Mobile-satellite (Earth-to-space) Earth exploration-satellite (Earth-to-space) Mobile-satellite (Earth-to-space) 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.525 5.526 5.527 5.529 29.9-30 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) (Earth-to-space)		L .				7
(Earth-to-space) 5.541 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.525 5.526 5.527 5.529			, , ,		(Earth-to-space)	
5.540 5.542 5.526 5.527 5.529 5.540 5.542 5.540 5.542 5.540 5.542 5.525 5.526 5.527 5.529 5.540 5.542 5.540 5.542 5.540 5.542 5.525 5.526 5.527 5.529 29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE Earth exploration-satellite (Earth-to-space) 5.541 5.543 (Earth-to-space)	Mobile-satellite (Earth-to-space)		Mobile-satellite (Earth-to-space)			ti.
29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE Earth exploration-satellite (Earth-to-space) 5.541 5.543		(Earth-to-space) 5.541		1	1	
29.9-30 FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) MOBILE-SATELLITE Earth exploration-satellite (Earth-to-space) 5.541 5.543	5.540 5.542	5.525 5.526 5.527 5.529 5.540 5.542	5.540 5.542		5.525 5.526 5.527 5.529	
FIXED-SATELLITE (Earth-to-space) 5.484A 5.516B 5.539 MOBILE-SATELLITE (Earth-to-space) 5.541 5.543 FIXED-SATELLITE (Earth-to-space) FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space)			1		il de la companya de	
MOBILE-SATELLITE (Earth-to-space) Earth exploration-satellite (Earth-to-space) 5.541 5.543 MOBILE-SATELLITE (Earth-to-space)					H	
Earth exploration-satellite (Earth-to-space) 5.541 5.543 (Earth-to-space)					-	
				Ĭ		
	· ·	•			(Laiui-io-space)	
<u>5.525 5.526 5.527 5.538 5.540 5.542</u> 5.525 5.526 5.527 5.543	<u>5.525 5.526 5.527 5.538 5.540 5.542</u>				5.525 5.526 5.527 5.543	Page 64

	······································	30-39.5	GHz (EHF)		Page 5
	International Table		United States Table		FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
30-31 FIXED-SATELLITE (Earth-to-space MOBILE-SATELLITE (Earth-to-spa Standard frequency and time signa	ce)		30-31 FIXED-SATELLITE (Earth-to-space) MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth)	30-31 Standard frequency and time signal-satellite (space-to-Earth)	
5.542			G117		ı
31-31.3 FIXED 5.543A MOBILE Standard frequency and time signa Space research 5.544 5.545	l-satellite (space-to-Earth)		31-31.3 Standard frequency and time signal-satellite (space-to-Earth)	31-31.3 FIXED MOBILE Standard frequency and time signal-satellite (space-to-Earth)	Fixed Microwave (101)
5.149			US211 US342	US211 US342	
31.3-31.5 EARTH EXPLORATION-SATELLIT RADIO ASTRONOMY SPACE RESEARCH (passive)	TE (passive)		31.3-31.8 EARTH EXPLORATION-SATELLITE RADIO ASTRONOMY US74 SPACE RESEARCH (passive)	(passive)	
5.340					
31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)	31.5-31.8 EARTH EXPLORATION- SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile			
·		· •	US246		
31.8-32 FIXED 5.547A RADIONAVIGATION SPACE RESEARCH (deep space)	31.8-32 FIXED 5.547A			31.8-32 SPACE RESEARCH (deep space) (space-to-Earth) US262	
5.547 5.547B 5.548 32-32.3 FIXED 5.547A RADIONAVIGATION SPACE RESEARCH (deep space) (space-to-Earth)			5.548 US211 32-32.3 RADIONAVIGATION US69 SPACE RESEARCH (deep space) (space-to-Earth) US262	5.548 US211 32-32.3 SPACE RESEARCH (deep space) (space-to-Earth) US262	
5.547 5.547C 5.548	,		US386	US386	
32.3-33 FIXED 5.547A		32.3-33 INTER-SATELLITE US278 RADIONAVIGATION US69	100000	Aviation (87)	
5.547 5.547D 5.548			US386		
33-33.4 FIXED 5.547A RADIONAVIGATION			33-33.4 RADIONAVIGATION US69		
5.547 5.547E			US360 G117		

33.4-34.2	33.4-34.2	33.4-34.2	5
RADIOLOCATION	RADIOLOCATION	Radiolocation	Private Land Mobile (90)
5.549.	US360 G117	US360	
34.2-34.7	34.2-34.7	34.2-34.7	
RADIOLOCATION	RADIOLOCATION	Radiolocation	l l
SPACE RESEARCH (deep space) (Earth-to-space)	SPACE RESEARCH (deep space) (Earth-to-space) US262	Space research (deep space) (Earth-to-space) US262	
5 54D	g ' ' '		
<u>5.549</u> 34.7-35.2	US360 G34 G117 34.7-35.5	US360 34.7-35.5	4
RADIOLOCATION	RADIOLOCATION	Radiolocation	
Space research 5.550	MADIOLOGATION	Nadiolocation	
5.549			
35.2-35.5			
METEOROLOGICAL AIDS	i		
RADIOLOCATION			
5.549	US360 G117	US360	
35.5-36	35.5-36	35.5-36	1
METEOROLOGICAL AIDS	EARTH EXPLORATION-	Earth exploration-satellite (active)	
EARTH EXPLORATION-SATELLITE (active)	SATELLITE (active)	Radiolocation	
RADIOLOCATION	RADIOLOCATION	Space research (active)	
SPACE RESEARCH (active)	SPACE RESEARCH (active)		
5.549 5.549A	US360 G117	U\$360	
36-37	36-37		
EARTH EXPLORATION-SATELLITE (passive) FIXED	EARTH EXPLORATION-SATELLIT	E (passive)	
MOBILE	FIXED MOBILE		
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)		
5.149	, ,		
37-37.5	US263 US342 37-38	37-37.5	
FIXED	FIXED	FIXED	Fixed Microwave (101)
MOBILE	MOBILE	MOBILE	i wed microwave (101)
SPACE RESEARCH (space-to-Earth)	SPACE RESEARCH		
5.547	(space-to-Earth)		
37.5-38		37.5-38.6	
FIXED		FIXED	Satellite Communications (25)
FIXED-SATELLITE (space-to-Earth)		FIXED-SATELLITE (space-to-Earth)	Fixed Microwave (101)
MOBILE	<u> </u>	MOBILE	
SPACE RESEARCH (space-to-Earth)	· ·		1
Earth exploration-satellite (space-to-Earth)			
5.547			
38-39.5	38-38.6		
FIXED	FIXED		
FIXED-SATELLITE (space-to-Earth)	MOBILE		4
MORII E		38.6-39.5	11
MOBILE Earth exploration-satellite (space-to-Farth)	38.6-39.5	1	li .
MOBILE Earth exploration-satellite (space-to-Earth)	38.0-39.5	FIXED FIXED-SATELLITE (space-to-Earth)	

	· · · · · · · · · · · · · · · · · · ·	39.5-50	.2 GHz (EHF)		Page 57
	International Table		United Sta	ates Table	FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	1
39.5-40			39.5-40	39.5-40	
FIXED			FIXED-SATELLITE (space-to-Earth)	FIXED .	
FIXED-SATELLITE (space-to-Ea	rth) 5.516B		MOBILE-SATELLITE	FIXED-SATELLITE (space-to-Earth)	
MOBILE	·		(space-to-Earth) US382	MOBILE NG175	
MOBILE-SATELLITE (space-to-l					
Earth exploration-satellite (space	-to-Earth)				
5.547			G117	US382	l l
40-40.5			40-40.5	40-40.5	
EARTH EXPLORATION-SATEL	ITE (Earth-to-enace)		EARTH EXPLORATION-		Catallita Cameruniaetiana (25)
FIXED	cric (Larin-to-space)	•		FIXED-SATELLITE (space-to-Earth) MOBILE-SATELLITE	Satellite Communications (25)
FIXED-SATELLITE (space-to-Ea	uth) 5 516D		SATELLITE (Earth-to-space)		
MOBILE	101) 5.5166		FIXED-SATELLITE (space-to-Earth)	(space-to-Earth)	
MOBILE-SATELLITE (space-to-			MOBILE-SATELLITE	1	
SPACE RESEARCH (Earth-to-s	=am)		(space-to-Earth)		
Earth evaluation establish (and	oace)		SPACE RESEARCH		
Earth exploration-satellite (space	-to-Earth)		(Earth-to-space)		
			Earth exploration-satellite	1	
			(space-to-Earth)		
			G117		
40.5-41	40.5-41	40.5-41	40.5-41	40.5-41	
FIXED -	FIXED	FIXED	FIXED-SATELLITE	FIXED-SATELLITE (space-to-Earth)	Satellite Communications (25)
FIXED-SATELLITE	FIXED-SATELLITE	FIXED-SATELLITE	(space-to-Earth)	BROADCASTING	Satesite Constitutications (25)
(space-to-Earth)	(space-to-Earth) 5.516B	(space-to-Earth)	Mobile-satellite (space-to-Earth)	BROADCASTING-SATELLITE	ł
BROADCASTING	BROADCASTING	BROADCASTING	(space-to-Latti)	Fixed	
BROADCASTING-SATELLITE	BROADCASTING-SATELLITE	BROADCASTING-SATELLITE	1	Mobile	
Mobile	Mobile	Mobile]	Mobile-satellite (space-to-Earth)	li
	Mobile-satellite (space-to-Earth)	Moone		Mobile-satellite (space-to-Eartit)	ľ
5.547	5.547	5.547	US211 G117	110044	
41-42.5	3.341	10.047		US211	
FIXED			41-42.5	41-42	
			1	FIXED	
FIXED-SATELLITE (space-to-Ea	10 o.510B		1	FIXED-SATELLITE	·
BROADCASTING CATELLITE				(space-to-Earth)	
BROADCASTING-SATELLITE				BROADCASTING	
Mobile				BROADCASTING-SATELLITE	ŀ
				MOBILE	
				US211	
				42-42.5	
				FIXED	
				BROADCASTING	Fixed Microwave (101)
				BROADCASTING-SATELLITE MOBILE	
E 647 6 6645 6 66411 6 6641			1	ļ	
5.547 5.551F 5.551H 5.551I 42.5-43.5			US211	US211	
42.5-43.5 FIXED			42.5-43.5	42.5-43.5	
	\ 5 550		FIXED	RADIO ASTRONOMY	
FIXED-SATELLITE (Earth-to-spi			FIXED-SATELLITE (Earth-to-space)		l
MOBILE except aeronautical mo	Dile		MOBILE except aeronautical mobile		
ロメウはつ ようせつへいへいい			HEADIO ARTBONOMY		ii .
RADIO ASTRONOMY 5.149 5.547		•	RADIO ASTRONOMY		

43.5-47		43.5-45.5	43.5-45.5	
MOBILE 5.553		MOBILE-SATELLITE		
MOBILE-SATELLITE		(Earth-to-space)		
RADIONAVIGATION		FIXED-SATELLITE (Earth-to-space)		
RADIONAVIGATION-SATELLITE		G117		
		45.5-46.9		
		MOBILE		RF Devices (15)
	•	MOBILE-SATELLITE (Earth-to-space)		l í
		RADIONAVIGATION-SATELLITE		1 .
	·	5.554		
ė.		46.9-47	46.9-47	· · · · · · · · · · · · · · · · · · ·
		MOBILE	MOBILE	
		MOBILE-SATELLITE	MOBILE-SATELLITE	
		(Earth-to-space)	(Earth-to-space)	
		RADIONAVIGATION-SATELLITE	RADIONAVIGATION-SATELLITE	li
			FIXED	
5.554		5.554	5.554	
47-47.2		47-48.2	47-47.2	
AMATEUR		1	AMATEUR	Amateur (97)
AMATEUR-SATELLITE			AMATEUR-SATELLITE	
47.2-47.5 FIXED		1	47.2-48.2	
	ro.		FIXED	Satellite Communications (25)
FIXED-SATELLITF (Earth-to-space) 5.58 MOBILE	02		FIXED-SATELLITE (Earth-to-space)	1
		1	US297	
5.552A		i	MOBILE	1
47.5-47.9	47.5-47.9		1	
FIXED	FIXED			· II
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space) 5.552			
5.552 (space-to-Earth) 5.516B 5.554A	MOBILE			li
MOBILE			İ	
47.9-48.2				
FIXED			·	•
FIXED-SATELLITE (Earth-to-space) 5.5	52	1		-
MOBILE		1		
5.552A				
48.2-48.54	48.2-50.2	48.2-50.2	-	
FIXED	FIXED	FIXED		
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space) 5.516B 5.552	FIXED-SATELLITE (Earth-to-space) U	S297	
5.552 (space-to-Earth) 5.516B	MOBILE	MOBILE US264		
5.554A 5.555B		1		
MOBILE	4			-
48.54-49.44		1		
FIXED	1			4
FIXED-SATELLITE (Earth-to-space) 5.552		ĺ		il
MOBILE				II.
5.149 5.340 5.555	_			ľ
7	5.149 5.340 5.555 5.555B	5.555 US342		
				Page 58

International Table			50.2-71 GHz (EHF)	Pa	
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	United States Table Non-Federal Table	FCC Rule Part(s)
49.44-50.2 FIXED FIXED-SATELLITE (Earth-to-sp 5.552 (space-to-Earth) 5.516B 5.554A 5.555B MOBILE	See previous page for 48 pace)		See previous page for 48	<u> </u>	
50.2-50.4 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) 5.340		50.2-50.4 EARTH EXPLORATION SPACE RESEARCH (pa			
5.340 50.4-51.4 FIXED FIXED-SATELLITE (Earth-to-sp MOBILE Mobile-satellite (Earth-to-space			US246 50.4-51.4 FIXED FIXED-SATELLITE (Earl MOBILE MOBILE-SATELLITE (E.	MOBILE	`
51.4-52.6 FIXED MOBILE			G117 51.4-52.6 FIXED MOBILE		
5.547 5.556 52.6-54.25 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)		52.6-54.25 EARTH EXPLORATION SPACE RESEARCH (pa			
5.340 5.556 54.25-55.78 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE 5.556A SPACE RESEARCH (passive)		US246 54.25-55.78 EARTH EXPLORATION-SATELLITE (passive) INTER-SATELLITE 5.556A SPACE RESEARCH (passive)			
5.556B 55.78-56.9 EARTH EXPLORATION-SATELLITE (passive) FIXED 5.557A INTER-SATELLITE 5.556A MOBILE 5.558 SPACE RESEARCH (passive)		55.78-56.9 EARTH EXPLORATION FIXED INTER-SATELLITE 5.55 MOBILE 5.558 SPACE RESEARCH (pa	6A		
5.547 5.557 56.9-57 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE 5.558A MOBILE 5.558 SPACE RESEARCH (passive)		US263 US353 56.9-57 EARTH EXPLORATION (passive) FIXED INTER-SATELLITE G12: MOBILE 5.558 SPACE RESEARCH (pa	56.9-57 -SATELLITE (passive) FIXED MOBILE 5.558 SPACE RESEARCH (passive)		
5.547 5.557			US263	US263	

57-58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE 5.556A MOBILE 5.558 SPACE RESEARCH (passive)	57-58.2 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE 5.556A MOBILE 5.558 SPACE RESEARCH (passive)	RF Devices (15)
5.547 5.557 58.2-59 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	US263 58.2-59 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE SPACE RESEARCH (passive)	
5.547 5.556 59-59.3 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE 5.556A MOBILE 5.558 RADIOLOCATION 5.559 SPACE RESEARCH (passive)	US353 US354 59-59.3 EARTH EXPLORATION-SATELLITE (passive) FIXED INTER-SATELLITE 5.556A MOBILE 5.558 RADIOLOCATION 5.559 SPACE RESEARCH (passive) 59-59.3 EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE 5.558 RADIOLOCATION 5.559 SPACE RESEARCH (passive)	
59.3-64 FIXED INTER-SATELLITE MOBILE 5.558 RADIOLOCATION 5.559	US353 US353 59.3-64 59.3-64 FIXED FIXED INTER-SATELLITE MOBILE 5.558 MOBILE 5.558 RADIOLOCATION 5.559	RF Devices (15) ISM Equipment (18)
5.138 64-65 FIXED INTER-SATELLITE MOBILE except aeronautical mobile	5.138 US353 64-65 FIXED INTER-SATELLITE MOBILE except aeronautical mobile 5.138 US353 64-65 FIXED MOBILE except aeronautical mobile	
5.547 5.556 65-66 EARTH EXPLORATION-SATELLITE FIXED INTER-SATELLITE MOBILE except aeronautical mobile SPACE RESEARCH	65-66 EARTH EXPLORATION- SATELLITE FIXED MOBILE except aeronautical mobile SPACE RESEARCH 65-66 EARTH EXPLORATION- SATELLITE FIXED INTER-SATELLITE MOBILE except aeronautical mobile SPACE RESEARCH	
5.547 66-71 INTER-SATELLITE MOBILE 5.553 5.558 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE	66-71 MOBILE 5.553 5.558 MOBILE-SATELLITE MOBILE 5.553 5.558 MOBILE-SATELLITE RADIONAVIGATION RADIONAVIGATION-SATELLITE RADIONAVIGATION-SATELLITE RADIONAVIGATION-SATELLITE	
5.554	5.554 5.554	Page 6

	71-10	71-100 GHz (EHF)		Page 61
International Table		United States Table	es Table	FCC Rule Part(s)
Region 1 Table Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
		71-74 EIVEN		Fixed Microwave (101)
FIXED-SATELLITE (space-to-Earth)		FIXED-SATELLITE (space-to-Earth)		
MOBILE MOBILE-SATELLITE (space-to-Earth)		MOBILE-SATELLITE (space-to-Earth)		
		US389		
74-76		74-76	74-76	
FIXED SATELLITE (snave to Farth)		FIXED FIXED-SATELLITE (space-to-Earth)	FIXED FIXED-SATELLITE (space-to-Earth)	
MOBILE MODELE (Spread to Letter)		MOBILE (Special Control of the Contr	MOBILE	
BROADCASTING		Space research (space-to-Earth)	BROADCASTING	
BROADCASTING-SATELLITE			BROADCAS ING-SATELLITE Space research (space-to-Farth)	<u> </u>
Space research (space-to-Early)		8387 [5389	US387 US389	
2.003h 2.00 i		76.77 5	76-77	
RADIO ASTRONOMY RADIOLOCATION		RADIO ASTRONOMY RADIOLOCATION	RADIO ASTRONOMY RADIOLOCATION	RF Devices (15) Amateur (97)
Amateur		Space research (space-to-Earth)	Amateur Space recearch (space-to-Farth)	
Amateur-satemite Space research (space-to-Earth)			chace research (space to the m)	,
			US342	
			77-77.5 RADIO ASTRONOMY	
			RADIOLOCATION	
			Amateur-satellite	
			Space research (space-to-Earth)	·
5.149		US342	US342	
77.5-78		77.5-78	77.5-78	Amotour (02)
AMATEUR		Radio astronomy	AMATEUR	Amareur (97)
AMATEUR-SATELLITE Radio astronomy		Space research (space-to-tarth)	AMATEUR-SATELLITE Radio astronomy	
Space research (space-to-Earth)			Space research (space-to-Earth)	W.T.
5.149		US342	US342	·
78-79		62-82	78-79	
RADIOLOCATION		RADIOLOCATION PADIO ASTRONOMY	RADIOLOCATION RADIO ASTRONOMY	
Amateur-satellite		Space research (space-to-Earth)	Amateur	
Radio astronomy			Amateur-satellite	
Space research (space-to-Earth)			opace research (space-to-nam)	
5.149 5.560		5.560 US342	5.560 US342	
79-81 DADIO ASTRONIONY		79-81	79-81	
RADIOLOCATION		RADIO OCATION	RADIO OCATION	
Amateur	•	Space research (space-to-Earth)	Amateur	·
Amateur-satellite Spare recearch (cnare-in-Earth)		-	Amateur-satellite	
5 1 40		110243	option (speed to train)	
		7,000	24000	

1-84 FIXED	81-84 FIXED	Fixed Microwave (101)
IXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space) US297	I
MOBILE	MOBILE MOBILE-SATELLITE (Earth-to-space)	
MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY	RADIO ASTRONOMY	1
space research (space-to-Earth)	Space research (space-to-Earth)	
5.149 5.561A	US342 US388 US389	
4-86	84-86	
XED	FIXED	
XED-SATELLITE (Earth-to-space) 5.561B	FIXED-SATELLITE (Earth-to-space)	· ·
IOBILE ADIO ASTRONOMY	MOBILE RADIO ASTRONOMY	·
· · · · · · · · · · · · · · · · · · ·	US342 US388 US389	
.149 3-92	86-92	
ARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)	
ADIO ASTRONOMY	RADIO ASTRONOMY US74	
PACE RESEARCH (passive)	SPACE RESEARCH (passive)	
.340	US246	
22-94	92-94	RF Devices (15)
IXED	FIXED MOBILE	Fixed Microwave (101)
MOBILE RADIO ASTRONOMY	RADIO ASTRONOMY	
RADIOLOCATION	RADIOLOCATION	
5.149	US342 US388	
4-94.1	94-94.1 94-94.1	
ARTH EXPLORATION-SATELLITE (active)		LOCATION RF Devices (15) istronomy
RADIOLOCATION SPACE RESEARCH (active)	SPACE RESEARCH (active)	stronomy
Radio astronomy	Radio astronomy	
.562 5.562A	5.562 5.562A 5.562A	
4.1-95	94.1-95	
IXED	FIXED	RF Devices (15)
MOBILE	MOBILE	Fixed Microwave (101)
RADIO ASTRONOMY	RADIO ASTRONOMY RADIOLOCATION	ė.
RADIOLOCATION	US342 US388	
5.149 95-100	95-100	
FIXED	FIXED	
MOBILE	MOBILE	
RADIO ASTRONOMY	RADIO ASTRONOMY	
RADIOLOCATION	RADIOLOCATION	
RADIONAVIGATION RADIONAVIGATION-SATELLITE	RADIONAVIGATION RADIONAVIGATION-SATELLITE	
	5.554 US342	######################################
5.149 5.554	2.004 US342	Pag

		10	00-155.5 GHz (EHF)		Page 6
	International Table			United States Table	FCC Rule Part(s)
Region 1 Table Region 2 Table Region 3 Table 100-102 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive)		Federal Table Non-Federal Table 100-102 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY US74 SPACE RESEARCH (passive)			
5.340 5.341 102-105 FIXED MOBILE RADIO ASTRONOMY			5.341 US246 102-105 FIXED MOBILE RADIO ASTRONOMY		
5.149 5.341 105-109.5 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (pass	sive) 5.562B		5.341 US342 105-109.5 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH ()		
5.149 5.341 109.5-111.8 EARTH EXPLORATION-S RADIO ASTRONOMY SPACE RESEARCH (pass			5.341 US342 109.5-111.8 EARTH EXPLORATIO RADIO ASTRONOMY SPACE RESEARCH (I		
5.340 5.341 111.8-114.25 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (pass	sive) 5.562B		5.341 US246 111.8-114.25 FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (
5.149 5.341 114.25-116 EARTH EXPLORATION-S RADIO ASTRONOMY SPACE RESEARCH (pass	,		5.341 US342 114.25-116 EARTH EXPLORATIO RADIO ASTRONOMY SPACE RESEARCH (
5.340 5.341 116-119.98 EARTH EXPLORATION-S INTER-SATELLITE 5.5620 SPACE RESEARCH (pass			5.341 US246 116-122.25 EARTH EXPLORATIO INTER-SATELLITE 5.9 SPACE RESEARCH (ISM Equipment (18)
5.341 119.98-122.25 EARTH EXPLORATION-S INTER-SATELLITE 5.562 SPACE RESEARCH (pass	C	·			
5.138 5.341			5.138 5.341 US211	·	

123	122.25-123	122.25-123	1014 Equipment (10)
	FIXEU	FIXEU	Amotour (07)
IN ER-VATEUL E MOBIL ER-SER	MOBILE 558	MOBILE 5.558	Aliateur (37)
	2000	Amateur	
5.138	5,138	5.138	
08	123-130		
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)		
MOBILE-SATELLITE (space-to-Earth)	MOBILE-SATELLITE (space-to-Earth)		
RADIONAVIGATION	RADIONAVIGATION		
RADIONAVIGATION-SATELLITE	RADIONAVIGATION-SATELLITE		
Kadio astronomy 5.562U	Kadio astronomy		
5.149 5.554	5.554 US211 US342		
130-134	130-134		
H EXPLORATION-SATELLITE (active) 5:562E	EARTH EXPLORATION-SATELLITE (active) 5.562E	ctive) 5.562E	
MIXEU MITER CATELLITE	FIXED INTED SATELLITE		
MOBILE A ASA	MOBILE 5.558		
RADIO ASTRONOMY	RADIO ASTRONOMY		
5.149 5.562A	5.562A US342		
	134-136	134-136	
×	Radio astronomy	AMATEUR	Amateur (97)
AMATEUR-SATELLITE		AMATEUR-SATELLITE	
Radio astronomy		Radio astronomy	
136-141	136-141	136-141	
RADIO ASTRONOMY	RADIO ASTRONOMY	RADIO ASTRONOMY	
RADIOLOCATION	RADIOLOCATION	RADIOLOCATION	
Amateur-satellite		Amateur-satellite	
		0700	
5.149	US342	US342	
141-148.5	141-148.5		-
TAKEU	FIXED MOBILE		
MODIFIE BATRONOWY	RADIO ACTRONOMY		
RADIOLOCATION	RADIOLOCATION		
5 (49	US342		:
148.5-151.5	148.5-151.5		
EARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)	assíve)	
NADIO ASTRONOMI SPACE RESEARCH (nassive)	RADIO ASTRONOMY US/4 SPACE RESEARCH (nassive)		
5.340	US:246		
1515-155.5 EIVED	151.5-155.5 Erven		
מואלים שוויים מויים מויי	FIXED MOBILE		
RADIO ASTRONOMY	RADIO ASTRONOMY		
RADIOLOCATION	RADIOLOCATION		*****
5.149	US342	•	
			Page 64
			ı

					Page 65
	International Table		United States Table		FCC Rule Part(s)
Region 1 Table	Region 2 Table	Region 3 Table	Federal Table	Non-Federal Table	
155.5-158.5 EARTH EXPLORATION-SATELLITE (passive) 5.562F FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive) 5.562B 5.149 5.562G		155.5-158.5 EARTH EXPLORATION-SATELLITE (passive) 5.562F FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive) 5.562B			
		5.562G US342			
158.5-164 FIXED FIXED-SATELLITE (space-t MOBILE MOBILE-SATELLITE (space	•		158.5-164 FIXED FIXED-SATELLITE (spa MOBILE MOBILE-SATELLITE (sp	, in the second	
164-167 EARTH EXPLORATION-SA RADIO ASTRONOMY SPACE RESEARCH (passis			US211 164-167 EARTH EXPLORATION RADIO ASTRONOMY U SPACE RESEARCH (pa	JS74	
5.340			US246		
167-174.5 FIXED FIXED-SATELLITE (space-f INTER-SATELLITE MOBILE 5.558	to-Earth)		167-174.5 FIXED FIXED-SATELLITE (spa INTER-SATELLITE MOBILE 5.558	ace-to-Earth)	
5.149 5.562D			US211 US342	·	
174.5-174.8 FIXED INTER-SATELLITE MOBILE 5.558			174.5-174.8 FIXED INTER-SATELLITE MOBILE 5.558		
174.8-182 EARTH EXPLORATION-SA NTER-SATELLITE 5,562H SPACE RESEARCH (passi			174.8-182 EARTH EXPLORATION INTER-SATELLITE 5.56 SPACE RESEARCH (pa	52H	
182-185 EARTH EXPLORATION-SA RADIO ASTRONOMY SPACE RESEARCH (passin	, ,		182-185 EARTH EXPLORATION RADIO ASTRONOMY SPACE RESEARCH (pa		
5.340			US246		
185-190 EARTH EXPLORATION-SA INTER-SATELLITE 5.562H SPACE RESEARCH (passin			185-190 EARTH EXPLORATION INTER-SATELLITE 5.56 SPACE RESEARCH (p	52H ,	_
190-191.8 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)		190-191.8 EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive)			
5.340			US246		

1010000	Have a pop
191.8-200	191.8-200
FIXED	FIXED
INTER-SATELLITE	INTER-SATELLITE
MOBILE 5.558	MOBILE 5.558
MOBILE-SATELLITE	MOBILE-SATELLITE
RADIONAVIGATION	RADIONAVIGATION
RADIONAVIGATION-SATELLITE	RADIONAVIGATION-SATELLITE
5.149 5.341 5.554	5.341 5.554 US211 US342
200-209	200-209
EARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)
RADIO ASTRONOMY	RADIO ASTRONOMY US74
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)
· · · · · ·	5.341 5.563A US246
5.340 5.341 5.563A	209-217
209-217	
FIXED	FIXED
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)
MOBILE	MOBILE
RADIO ASTRONOMY	RADIO ASTRONOMY
5.149 5.341	5.341 US342
217-226	217-226
FIXED	FIXED
FIXED-SATELLITE (Earth-to-space)	FIXED-SATELLITE (Earth-to-space)
MOBILE	MOBILE
RADIO ASTRONOMY	RADIO ASTRONOMY
SPACE RESEARCH (passive) 5.562B	SPACE RESEARCH (passive) 5.562B
5.149 5.341	5.341 US342
226-231.5	226-231.5
EARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)
RADIO ASTRONOMY	RADIO ASTRONOMY
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)
5.340	US246
231.5-232	231.5-232
FIXED	FIXED
MOBILE	
	MOBILE
Radiolocation	Radiolocation
232-235	232-235
FIXED	FIXED
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)
MOBILE	MOBILE
Radiolocation	Radiolocation
235-238	235-238
EARTH EXPLORATION-SATELLITE (passive)	EARTH EXPLORATION-SATELLITE (passive)
FIXED-SATELLITE (space-to-Earth)	FIXED-SATELLITE (space-to-Earth)
SPACE RESEARCH (passive)	SPACE RESEARCH (passive)
5.563A 5.563B	5.563A 5.563B Page 60
	Page of

			38-1000 GHz (EHF)	Pagi FCC Rule Part(s)		
	International Table	[D-:- 27]]	United States Table Federal Table Non-Federal Table		- TOO Nuis Fail(3)	
legion 1 Table	Region 2 Table	Region 3 Table	Federal Table	I Nort-redetal Lable		
38-240			FIXED		į	
FIXED FIXED-SATELLITE (space-to-Earth) MOBILE		FIXED-SATELLITE (space-to-	.Farth\			
		MOBILE	-ca:ui)	l		
			RADIOLOCATION			
RADIOLOCATION RADIONAVIGATION RADIONAVIGATION-SATELLITE		RADIONAVIGATION RADIONAVIGATION-SATELLITE				
40-241			240-241			
IXED			FIXED			
IOBILE			MOBILE		ii ee	
RADIOLOCATION		RADIOLOCATION 1944 248				
41-248			241-248	241-248	ICAA Couloment (19)	
ADIO ASTRONOMY			RADIO ASTRONOMY	RADIO ASTRONOMY	ISM Equipment (18) Amateur (97)	
RADIOLOCATION			RADIOLOCATION	RADIOLOCATION Amateur	Aniateur (51)	
mateur				Amateur		
mateur-satellite						
.138 5.149			5.138 US342	5.138 U\$342 248-250		
48-250			248-250 Radio astronomy	AMATEUR	Amateur (97)	
MATEUR			Radio astronomy	AMATEUR-SATELLITE	(or)	
MATEUR-SATELLITE				Radio astronomy	l l	
Radio astronomy 5.149 250-252 EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.563A		1,,,,,,,	· ·			
		US342 250-252 EARTH EXPLORATION-SATELLITE (passive) RADIQ ASTRONOMY US74 SPACE RESEARCH (passive) 5.563A US246 252-265				
				i		
252-265 FIXED			FIXED		∦	
			MOBILE	•	1	
MOBILE MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY RADIONAVIGATION RADIONAVIGATION-SATELLITE 5.149 5.554 265-275		MOBILE-SATELLITE (Earth-to-space) RADIO ASTRONOMY RADIONAVIGATION				
					RADIONAVIGATION-SATELI	
					5.554 US211 US342 265-275	
		Į.				
		FIXED		FIXED		
		FIXED-SATELLITE (Earth-to-space)		FIXED-SATELLITE (Earth-to-space)		
MOBILE			MOBILE			
RADIO ASTRONOMY			RADIO ASTRONOMY			
5.149 5.563A			5.563A US342			
275-1000			275-1000			
Not allocated) 5.565			(Not allocated) 5.565		<u> </u>	

* * * * *

INTERNATIONAL FOOTNOTES

* * * * *

5.56 The stations of services to which the bands 14-19.95 kHz and 20.05-70 kHz and in Region 1 also the bands 72-84 kHz and 86-90 kHz are allocated may transmit standard frequency and time signals. Such stations shall be afforded protection from harmful interference. In Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Mongolia, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan and Turkmenistan, the frequencies 25 kHz and 50 kHz will be used for this purpose under the same conditions.

* * * * *

5.68 <u>Alternative allocation</u>: in Angola, Burundi, Congo (Rep. of the), Malawi, the Dem. Rep. of the Congo, Rwanda and South Africa, the band 160-200 kHz is allocated to the fixed service on a primary basis.

* * * * *

5.70 <u>Alternative allocation</u>: in Angola, Botswana, Burundi, Cameroon, the Central African Rep., Congo (Rep. of the), Ethiopia, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Oman, the Dem. Rep. of the Congo, Rwanda, South Africa, Swaziland, Tanzania, Chad, Zambia and Zimbabwe, the band 200-283.5 kHz is allocated to the aeronautical radionavigation service on a primary basis.

* * * * *

5.87 <u>Additional allocation</u>: in Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland and Zimbabwe, the band 526.5-535 kHz is also allocated to the mobile service on a secondary basis.

* * * * *

5.96 In Germany, Armenia, Austria, Azerbaijan, Belarus, Denmark, Estonia, the Russian Federation, Finland, Georgia, Hungary, Ireland, Iceland, Israel, Kazakhstan, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., the United Kingdom, Sweden, Switzerland, Tajikistan, Turkmenistan and Ukraine, administrations may allocate up to 200 kHz to their amateur service in the bands 1715-1800 kHz and 1850-2000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighbouring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W.

* * * * *

- 5.98 <u>Alternative allocation</u>: in Angola, Armenia, Azerbaijan, Belarus, Belgium, Bulgaria, Cameroon, Congo (Rep. of the), Denmark, Egypt, Eritrea, Spain, Ethiopia, the Russian Federation, Georgia, Greece, Italy, Kazakhstan, Lebanon, Lithuania, Moldova, the Syrian Arab Republic, Kyrgyzstan, Somalia, Tajikistan, Tunisia, Turkmenistan, Turkey and Ukraine, the band 1810-1830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- 5.99 <u>Additional allocation:</u> in Saudi Arabia, Austria, Bosnia and Herzegovina, Iraq, the Libyan Arab Jamahiriya, Uzbekistan, Slovakia, Romania, Serbia and Montenegro, Slovenia, Chad, and Togo, the band 1810-1830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

* * * * *

5.107 <u>Additional allocation:</u> in Saudi Arabia, Eritrea, Ethiopia, Iraq, the Libyan Arab Jamahiriya, Lesotho, Somalia and Swaziland, the band 2160-2170 kHz is also allocated to the fixed and mobile,

except aeronautical mobile (R), services on a primary basis. The mean power of stations in these services shall not exceed 50 W.

* * * * *

5.112 <u>Alternative allocation</u>: in Bosnia and Herzegovina, Denmark, Malta, Serbia and Montenegro, and Sri Lanka, the band 2194-2300 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

* * * * *

5.114 <u>Alternative allocation</u>: in Bosnia and Herzegovina, Denmark, Iraq, Malta, and Serbia and Montenegro, the band 2502-2625 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

* * * *

- 5.117 <u>Alternative allocation</u>: in Bosnia and Herzegovina, Côte d'Ivoire, Denmark, Egypt, Liberia, Malta, Serbia and Montenegro, Sri Lanka and Togo, the band 3155-3200 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.
- 5.118 Additional allocation: in the United States, Mexico, Peru and Uruguay, the band 3230-3400 kHz is also allocated to the radiolocation service on a secondary basis.

* * * * *

5.134 The use of the bands 5900-5950 kHz, 7300-7350 kHz, 9400-9500 kHz, 11600-11650 kHz, 12050-12100 kHz, 13570-13600 kHz, 13800-13870 kHz, 15600-15800 kHz, 17480-17550 kHz and 18900-19020 kHz by the broadcasting service as from 1 April 2007 is subject to the application of the procedure of Article 12. Administrations are urged to use these bands to facilitate the introduction of digitally modulated emissions in accordance with the provisions of Resolution 517 (Rev.WRC-03).

* * * * *

- 5.138A Until 29 March 2009, the band 6765-7000 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis. After this date, this band is allocated to the fixed and the mobile except aeronautical mobile (R) services on a primary basis.
- 5.139 <u>Different category of service</u>: until 29 March 2009, in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 6765-7000 kHz to the land mobile service is on a primary basis (see No. 5.33).
- 5.140 Additional allocation: in Angola, Iraq, Kenya, Rwanda, Somalia and Togo, the band 7000-7050 kHz is also allocated to the fixed service on a primary basis.

* * * * *

- 5,141A Additional allocation: in Uzbekistan and Kyrgyzstan, the bands 7000-7100 kHz and 7100-7200 kHz are also allocated to the fixed and land mobile services on a secondary basis.
- 5.141B Additional allocation: after 29 March 2009, in Algeria, Saudi Arabia, Australia, Bahrain, Botswana, Brunei Darussalam, China, Comoros, Korea (Rep. of), Diego Garcia, Djibouti, Egypt, United Arab Emirates, Eritrea, Indonesia, Iran (Islamic Republic of), Japan, Jordan, Kuwait, the Libyan Arab Jamahiriya, Morocco, Mauritania, New Zealand, Oman, Papua New Guinea, Qatar, the Syrian Arab Republic, Singapore, Sudan, Tunisia, Viet Nam and Yemen, the band 7100-7200 kHz is also allocated to the fixed and the mobile, except aeronautical mobile (R), services on a primary basis.
- 5.141C In Regions 1 and 3, the band 7100-7200 kHz is allocated to the broadcasting service until 29 March 2009 on a primary basis.
- 5.142 Until 29 March 2009, the use of the band 7100-7300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3.

After 29 March 2009 the use of the band 7200-7300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3.

* * * * *

- 5.143A In Region 3, the band 7350-7450 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, frequencies in this band may be used by stations in the above-mentioned services, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations.
- 5.143B In Region 1, the band 7350-7450 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, on condition that harmful interference is not caused to the broadcasting service, frequencies in the band 7350-7450 kHz may be used by stations in the fixed and land mobile services communicating only within the boundary of the country in which they are located, each station using a total radiated power that shall not exceed 24 dBW.
- 5.143C <u>Additional allocation:</u> after 29 March 2009 in Algeria, Saudi Arabia, Bahrain, Comoros, Djibouti, Egypt, United Arab Emirates, Iran (Islamic Republic of), Jordan, Kuwait, the Libyan Arab Jamahiriya, Morocco, Mauritania, Oman, Qatar, the Syrian Arab Republic, Sudan, Tunisia and Yemen, the bands 7350-7400 kHz and 7400-7450 kHz are also allocated to the fixed service on a primary basis.
- 5.143D In Region 2, the band 7350-7400 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, frequencies in this band may be used by stations in the above-mentioned services, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations.
- 5.143E Until 29 March 2009, the band 7450-8100 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis.

* * * * *

5.152 <u>Additional allocation</u>: in Armenia, Azerbaijan, China, Côte d'Ivoire, the Russian Federation, Georgia, Iran (Islamic Republic of), Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 14250-14350 kHz is also allocated to the fixed service on a primary basis. Stations of the fixed service shall not use a radiated power exceeding 24 dBW.

* * * * *

- 5.154 Additional allocation: in Armenia, Azerbaijan, the Russian Federation, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 18068-18168 kHz is also allocated to the fixed service on a primary basis for use within their boundaries, with a peak envelope power not exceeding 1 kW.
- 5.155 <u>Additional allocation</u>: in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan, Turkmenistan and Ukraine, the band 21850-21870 kHz is also allocated to the aeronautical mobile (R) services on a primary basis.

* * * * *

5.163 <u>Additional allocation:</u> in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, the

Czech Rep., Tajikistan, Turkmenistan and Ukraine, the bands 47-48.5 MHz and 56.5-58 MHz are also allocated to the fixed and land mobile services on a secondary basis.

5.164 Additional allocation: in Albania, Germany, Austria, Belgium, Bosnia and Herzegovina, Botswana, Bulgaria, Côte d'Ivoire, Denmark, Spain, Estonia, Finland, France, Gabon, Greece, Ireland, Israel, Italy, Jordan, Lebanon, the Libyan Arab Jamahiriya, Liechtenstein, Luxembourg, Madagascar, Mali, Malta, Morocco, Mauritania, Monaco, Nigeria, Norway, the Netherlands, Poland, Syrian Arab Republic, the United Kingdom, Serbia and Montenegro, Slovenia, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia and Turkey, the band 47-68 MHz, in Romania the band 47-58 MHz, in South Africa the band 47-50 MHz, and in the Czech Rep. the band 66-68 MHz, are also allocated to the land mobile service on a primary basis. However, stations of the land mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, existing or planned broadcasting stations of countries other than those mentioned in connection with the band.

* * * * *

5.174 <u>Alternative allocation</u>: in Bulgaria, Hungary and Romania, the band 68-73 MHz is allocated to the broadcasting service on a primary basis and used in accordance with the decisions in the Final Acts of the Special Regional Conference (Geneva, 1960).

* * * * *

5.177 <u>Additional allocation</u>: in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Georgia, Kazakhstan, Latvia, Moldova, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 73-74 MHz is also allocated to the broadcasting service on a primary basis, subject to agreement obtained under No. 9.21.

* * * *

5.179 <u>Additional allocation:</u> in Armenia, Azerbaijan, Belarus, Bulgaria, China, the Russian Federation, Georgia, Kazakhstan, Lithuania, Moldova, Mongolia, Kyrgyzstan, Slovakia, Tajikistan, Turkmenistan and Ukraine, the bands 74.6-74.8 MHz and 75.2-75.4 MHz are also allocated to the aeronautical radionavigation service, on a primary basis, for ground-based transmitters only.

* * * * *

5.181 Additional allocation: in Egypt, Israel and the Syrian Arab Republic, the band 74.8-75.2 MHz is also allocated to the mobile service on a secondary basis, subject to agreement obtained under No. 9.21. In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administration which may be identified in the application of the procedure invoked under No. 9.21.

* * * * *

- 5.203B <u>Additional allocation</u>: in Saudi Arabia, United Arab Emirates, Oman and Syrian Arab Republic, the band 136-137 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis until 1 January 2005.
- 5.204 <u>Different category of service</u>: in Afghanistan, Saudi Arabia, Bahrain, Bangladesh, Bosnia and Herzegovina, Brunei Darussalam, China, Cuba, the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Malaysia, Oman, Pakistan, the Philippines, Qatar, Serbia and Montenegro, Singapore, Thailand and Yemen, the band 137-138 MHz is allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis (see No. 5.33).

* * * * *

5.210 Additional allocation: in France, Italy, the Czech Rep. and the United Kingdom, the bands 138-143.6 MHz and 143.65-144 MHz are also allocated to the space research service (space-to-Earth) on a secondary basis.